

Meeting Minutes

TO: Dan Deutsch (DNRC)
FROM: Joe Smith (MMI)
DATE: February 26, 2014 (10:00 am)
JOB NO.: 1447.035
RE: Deadman's Diversion and Headgate Replacement - Kickoff Meeting Minutes
CC: Meeting Participants (Shown Below)

☐ Urgent
 ☐ For Review
 ☐ Please Comment
 ☐ Please Reply
 ☒ For Your Use

Participants:

Name	Company/ Organization	Phone Number	Email
Teri Hice	DBWUA	320-1675	kthice@midrivers.com
Bob Goffena	DBWUA	323-1495	goffenar@midrivers.com
Jeff Ryan	MT DEQ	444-4626	jefyan@mt.gov
Beau Downing	MT FWP	444-3175	bdowning@mt.gov
Mike Ruggles	MT FWP	247-2903	mikeruggles@mt.gov
Dan Deutsch	MT DNRC	444-5775	ddeutsch@mt.gov
Jim Domino	MT DNRC	444-6622	jdmino@mt.gov
Joe Smith	MMI	542-4824	jsmith@m-m.net
Nick Kraus	MMI	922-6852	nkraus@m-m.net
Ken Salo	MMI	442-3050	ksalo@m-m.net
Jodie Binger	MMI	922-6734	jbinger@m-m.net

Discussion:

10:00am – 10:30am:

The meeting began at the site. Due to snow and ice cover, not much of the site could be seen. The conceptual design was discussed in relation to the existing conditions, and questions were answered about the location of various parts of the proposed design.

10:45am – 12:15am:

Participants re-convened at a café in Harlowton to further discuss the project. MMI handed out a meeting agenda, along with conceptual drawings for the proposed project. The topics discussed are described below:

- Schedule
 - The proposed design schedule is very aggressive.
 - Dan Deutsch proposed the schedule to be more flexible.
- Construction
 - Need to provide up to 20 cfs to supply canal through Aug. 15th.

- Discussed moving the construction start date from Aug. 1st to the 15th.
- Need to develop a construction schedule to establish all of the key dates and allow for reasonable construction schedule. This may require that the contractor begin staging and mobilizing by August 1st.
- Need to have construction complete so that water can be diverted by November 1st.
- Need to go out for bid by July 1st
- DNRC and DBWUA can pre-procure the headgates and riprap. In fact, this may be the most efficient approach, streamline construction and make the project feasible for a larger number of contractors
- Permitting
 - Jim Domino will handle all permitting
 - MMI will need to be involved, especially with issues affecting the design criteria, such as fish passage for the 124 permit.
 - The dewatering permit should be issued to and obtained by contractor.
 - MMI will need to provide conceptual level drawings and exhibits for permitting
 - This project is in FWP Region 5
- FWP – Potential for Additional Funding
 - MMI will coordinate directly with FWP and copy DNRC (Dan and Jim).
 - There is a potential for this project to be eligible for Future Fisheries Grant funding if it can benefit passage for native species of concern and sport fish. There are different funding sources for each. Native species of Concern discussed included:
 - Red Bellied Dace (6" max jump height)
 - Ling (May be introduced downstream)
 - White Sucker (100 – 250mm max jump height)
 - The deadline for Future Fisheries grant application is June 1st
 - FWP will need the 90% design to be completed before June 1st for the application
 - To help with cost items, separate bid items will be needed for construction items related to fish passage
 - There is no official limit to the funding amount, but the consensus was that \$100,000 was likely the maximum amount of funding that would be available for this project.
- Fish Passage
 - Overall, this structure must pass Brown Trout during the fall spawning season at the minimum.
 - Yearlong passage for the native species of concern will be very difficult due to the high flows during spring runoff.
 - It is more likely that the native species of concern can only be passed during non-peak flow periods.
- Site Dewatering/Cofferdam
 - FWP prefers the bypass channel (used previously) to the south side of the dam to be used for this project, to maintain up and downstream connectivity.
 - The site will still need to be dewatered by pumping for the construction of the footings at the lowest elevations. It will be better from a permitting point of view if the pump discharge is routed into the treed areas where it seeps into the soil, and does not directly flow back into the stream or the canal.
 - No water can be in the canal after Aug. 15th to facilitate other maintenance projects in the canal.

- LiDAR Data may be available from a NRCS Survey. Mike Ruggles will look for this data
- Jeff Ryan suggested we also consider using a bypass channel for fish passage. The feasibility of this concept was discussed.
- Rock Sources
 - Any new sources will need to be permitted.
 - A potential source near Martinsdale was mentioned, but no specifics on this site were known.
 - A field trip to visit rock sources and obtain samples were conducted by Nick Kraus and Ken Salo. Sites visited include the county site in Harlowton near the hospital, Big Casino Concrete and Wickens Construction in Lewistown and Stenberg Construction in Big Timber.
- Automation
 - Automation was briefly discussed between Teri and Nick.
 - The scope of work for this item is limited to a conceptual discussion of systems that may be applicable.

Action Items:

The following action items were discussed during this meeting:

- Dan Deutsch will look for existing drawings on the Hwy 12 Siphon.
- Check with DNRC staff to see if there is information on the Martinsdale riprap source.
- Mike Ruggles will look for existing LiDAR Data for this site.
- Joe Smith will coordinate with Matt Norberg of the DNRC to obtain the canal flow measurement data.
- Rock samples on 3 riprap sources will be tested.